<table>
<tr><td colspan="2"><i>Effective on 12/08/2004.</i>
<i>Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</i></td><td colspan="2" align="center"><i>Complete if Known</i></td></tr>
<tr><td rowspan="3" colspan="2" align="center">FEE TRANSMITTAL

For FY 2009</td><td>Application Number</td><td>10/580,360</td></tr>
<tr><td>Filing Date</td><td>11/24/2004</td></tr>
<tr><td>First Named Inventor</td><td>Myung Gu Kim</td></tr>
<tr><td colspan="2">☑ Applicant claims small entity status. See 37 CFR 1.27</td><td>Examiner Name</td><td>Yuk Ting Choi</td></tr>
<tr><td colspan="2" rowspan="2"></td><td>Art Unit</td><td>2164</td></tr>
<tr><td></td><td></td></tr>
<tr><td>TOTAL AMOUNT OF PAYMENT</td><td>($) 405.00</td><td>Attorney Docket</td><td>2316 - 061635</td></tr>
</table>

METHOD OF PAYMENT (check all that apply)

☐ Check ☑ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☑ Deposit Account   Deposit Account Number: ___23-0650___   Deposit Account Name: _____

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below   ☐ Charge fee(s) indicated below, **except for the filing fee**

☑ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17   ☑ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES Fee ($)	FILING FEES Small Entity Fee ($)	SEARCH FEES Fee ($)	SEARCH FEES Small Entity Fee ($)	EXAMINATION FEES Fee ($)	EXAMINATION FEES Small Entity Fee ($)	Fees Paid ($)
Utility	330	82	540	270	220	110	_____
Design	220	110	100	50	140	70	_____
Plant	220	110	330	165	170	85	_____
Reissue	330	165	540	270	650	325	_____
Provisional	220	110	0	0	0	0	_____

2. EXCESS CLAIM FEES

Fee Description	Fee ($)	Small Entity Fee ($)
Each claim over 20 (including Reissues)	52	26
Each independent claim over 3 (including Reissues)	220	110
Multiple dependent claims	390	195

Total Claims	- 20 or HP	Extra Claims	Fee ($)	Fee Paid ($)
11	- 20	= 0	x 0	= 0

HP = highest number of total claims paid for, if greater than 20.

Multiple Dependent Claims Fee ($)	Fee Paid ($)
_____	_____

Indep. Claims	- 3 or HP	Extra Claims	Fee ($)	Fee Paid ($)
1	- 3	= 0	x 0	= 0

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is $270 ($135 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee ($)	Fee Paid ($)
_____ - 100 =	_____ / 50 =	_____ (round up to a whole number)	x _____	= _____

4. OTHER FEE(S)
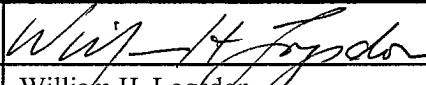
Non-English Specification, $130 fee (no small entity discount)

	Fees Paid ($)
Non-English Specification	_____
Other (e.g., late filing surcharge): Request for Continued Examination	405.00

SUBMITTED BY

Signature	_[signature]_	Registration No. (Attorney/Agent)	22,132	Telephone	412-471-8815
Name (Print/Type)	William H. Logsdon			Date	June 3, 2011